

Draft Agenda for Simulation workshop 11th and 12th of October

Thursday 11th of October 2012

Session-I: 9:00 - 12:00 one coffeebreak in the middle

1. Welcome Talk describing the goal of the workshop
2. The EIC physics program what is in the White Paper Thomas, Elke, Marco, Matt
3. Talks (3 or 4) on the Golden Measurements to benchmark detector performances
 - a. How well can we reconstruct the scattered lepton
 - i. Rad-corrections, unfolding and limits from systematics
 - b. F_2 and F_L
 - i. a and b could get combined
 - c. DVCS and other exclusive reactions → Salvatore
 - d. Semi-inclusive reactions → Kaon asymmetries, Kaon cross sections → Tom B.

Session-II: 14:00-17:00 one coffeebreak in the middle

1. What software is existing
 - a. BNL:
 - i. Physics generators /ROOT-trees & Smearing code → Tom Burton
 - ii. Detector simulation software fairroot → Alexander
 - iii. Tom's program → Tom
 - b. JLab:
2. What environment is existing
 - a. at BNL → Torre Wenaus
 - b. at JLab → Pawel N.-T.
3. Discussion on software standards and computer environment

Friday 12th of October 2012

Session-III: 9:00 - 12:00 one coffeebreak in the middle

1. Detector integration into IR design
 - a. At eRHIC → CAD person
 - b. At MEIC/ELIC → ?
 - c. Particle tracking through IR → JH Lee
2. Machine background influencing detector performance
 - i. Synchrotron radiation
 - ii. Neutron background
 - iii. electron and hadron beam induced background, i.e. beam gas events
 - b. At eRHIC → CAD person
 - c. At MEIC/ELIC →
3. Discussion how can machine backgrounds most efficiently be integrated in detector simulation